

**Exhibit A**  
**List of Patents and Applications Assigned to UMC**

Case	Title	Patent/Serial No.	Country
209	Pad Input Select Circuit	5,900,021	US
209EPO		Patent No: EP869617 Application No: EP97630071.5	Europe
212	Noise Isolation Circuit	6,037,827	US
212EPO		Application No: EP97630089.7	Europe
214	Filter Capacitor	5,917,230	US
214EPO		Application No: EP97630075.6	Europe
214DV		09/344,854	US
215	Voltage Down Converter w/ Switched Hysteresis	Application serial no. 09/492,727 Provisional serial no. 60/118,736	US
215EPO		Patent No: EP1026689 Application No: EP00300886.9	Europe
215JPN		212568/2000	Japan
215KOR		10-2000-40159	Korea
217	Reference Voltage Shifter	Application serial no. 09/492,730 Provisional serial no. 60/118,677	US
217EPO		Patent No: EP1026690 Application No: EP00300887.7	Europe
217JPN		211185/2000	Japan
217KOR		10-2000-40156	Korea
218	Dynamic Regulation Scheme for High Speed Charge Pumps	Application serial no. 09/493,987 Provisional serial no. 60/118,724	US
218EPO		Patent No: EP1026691 Application No: EP00300888.5	Europe
218KOR		10-2000-40165	Korea
218JPN		213058/2000	Japan
222	High Speed Output	Application serial no. 09/213,764	US
222EPO		Patent No.: EP1014378 Application No: EP99310009.8	Europe
222JPN		189877/2000	Japan
222KOR		10-2000-0033152	Korea

Attorney Docket No. UMC-213  
Client Matter No. 81848.0009.001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patents of:

United Memories, Inc., et al.

Patent No. 6,300,810, et al.

Issue Date: October 10, 2001

Serial No. 09/492,727

Filing Date: January 27, 2000

Title: VOLTAGE DOWN CONVERTER  
WITH SWITCHED HYSTERESIS

CERTIFICATE OF MAILING BY EXPRESS MAIL

Commissioner for Patents  
Alexandria, VA 22313-1450

Sir:

The undersigned hereby certifies that the following documents:

1. Recordation Form Cover Sheet Form PTO-1595;
2. Assignment (signed);
3. Check for \$320.00;
4. Return postcard,

and this Certificate of Mailing by Express Mail relating to the above patent, were deposited as "Express Mail", Mailing Label No. EL533427648US with the United States Postal Service, addressed to Mail Stop Assignment Recordation Services, Director of the U.S. Patent & Trademark Offices, P.O. Box 1450, Alexandria, VA 22313-1450, on June 17, 2003.

June 17, 2003

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Mailer

June 17, 2003

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Carol W. Burton, Reg. No. 35,465  
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DRM PTO-1595  
v. 1002)RECORDATION FORM COVER SHEET  
PATENTS ONLYU.S. Department of Commerce  
Patent and Trademark Office

4B No. 0651-0027 (exp. 6/30/2005)

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

## 1. Name of conveying party(ies):

NIPPON FOUNDRY, INC.  
formerly Nippon Steel Semiconductor Inc.)

## Name and address of receiving party(ies)

Name  
UNITED MICROELECTRONICS CORPORATION  
No. 3 Hsin Road 2  
Science Based Industrial Park  
Hsin Chu City, TAIWANAdditional name(s) of conveying party(ies) attached? ☐ Yes ☒ NoAdditional name(s) & address(es) attached? ☐ Yes ☒ No

## 3. Nature of conveyance:

- ☒
- Assignment
- ☐
- Merger
- 
- ☐
- Security Agreement
- ☐
- Change of Name
- 
- ☐
- Other

Execution Date: March 3, 1999

## 4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is:

A. Patent Application No.(s)

B. Patent No.(s)

6,300,810	6,306,744
5,900,021	6,285,242
6,037,827	6,272,029
5,917,230	6,285,216

Additional numbers attached? ☐ Yes ☒ No

## 5. Name and Address of party to whom correspondence concerning document should be mailed:

Name: Carol W. Burton  
Internal Address: Hogan & Hartson, LLP  
One Tabor Center  
1200 17th Street, Suite 1500  
Street Address: same as above  
City: Denver State: CO Zip: 80202

## 6. Total number of applications and patents involved: 8

7. Total fee (37 CFR 3.41) \$ 320.00

- ☒
- Enclosed
- 
- ☐
- Authorized to be charged to deposit account

## 8. Deposit account number:

50-1123

(Attach duplicate copy of this page if paying by deposit account)

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## 9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Carol W. Burton  
Name of Person signing

Signature

June 17, 2003  
Date

Total number of pages including cover sheet, attachments and document: 3

Mail documents to be recorded with required cover sheet information to:  
Commissioner of Patents & Trademarks, Box Assignments  
Washington, D.C. 20231

## ASSIGNMENT

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, *Nippon Foundry Inc.*, formerly known as *Nippon Steel Semiconductor Inc.*, having a principal place of business at No. 1580, Yamamoto, Tateyama-City, Chiba 294-8502 Japan ("Assignor"), hereby assigns, transfers, and conveys to *United Microelectronics Corporation* ("UMC"), having a principal place of business at No. 3 Li Hsin Road 2, Science Based Industrial Park, Hsin Chu City, Taiwan ("Assignee"), its designees, successors, assigns, and legal representatives, the entire right, title, and interest in and to the patents and applications listed in Exhibit A, attached hereto and made a part hereof, and any reexaminations, extensions, reissues, continuations and divisions thereof, and all proceeds from any of the foregoing (including all license royalties and proceeds of infringement suits), and any and all causes of actions (excepting claims against the United States of America) for past, present, and future infringement of any of the foregoing, including the right to collect royalties or damages for any such infringement and the right to sue on any such causes of action, for their own use and benefit and the use and benefit of their successors, assigns, and legal representatives, each and every of the foregoing rights, titles, and interests herein assigned to be held and enjoyed by Assignee, its successors, assigns, and legal representatives, as fully and entirely as the same would have been held and enjoyed by Assignors had this Assignment not been made.

A copy of the formal documents filed with the government of Japan changing the name of *Nippon Steel Semiconductor Corp.* to *Nippon Foundry Inc.* is attached hereto as Exhibit B.

IN TESTIMONY WHEREOF, Assignors have caused this Assignment to be duly executed in their names and behalf by affixing their hands and seals thereto by their designated officer, director, or agent, whose name and title appear below.

Executed at No. 1580 Yamamoto, Tateyama-City, Chiba 294-8502 Japan, and effective March 3, 1999.

Nippon Foundry Inc.  
(formerly Nippon Steel Semiconductor Corp.)

Hiromitsu Takeuchi  
Signature

Name: Hiromitsu Takeuchi  
Title: President